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Record Nr.	UNINA9910367256803321
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Titolo	Improving Human Performance in Dynamic Tasks : Applications in Management and Industry / / by Hassan Qudrat-Ullah
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-28166-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (91 pages) : illustrations
Collana	Understanding Complex Systems, , 2191-5326
Disciplina	658.403
Soggetti	System theory
	Operations research
	Decision making
	School management and organization
	Sustainable development
	Educational technology
	Sociophysics
	Econophysics
	Complex Systems
	Operations Research/Decision Theory
	Administration, Organization and Leadership
	Sustainable Development
	Educational Technology
	Data-driven Science, Modeling and Theory Building
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: Decision Making and Learning in Dynamic Tasks -- Chapter2: SDILEs in Service of Dynamic Decision Making -- Chapter3: The Experimental Approach -- Chapter4: Results of Experimental Research -- Chapter5: Discussion and Conclusions -- Chapter6: Future Research Directions in Dynamic Decision Making .
Sommario/riassunto	This book is about improving human decision making and performance in complex, dynamic tasks. The defining characteristics of a dynamic decision task are that there are a number of decisions required, that

decisions are interdependent and that the environment in which the decision is made is transient and feedback is pervasive. Examples of dynamic tasks include the sustainable management of renewable resources and how businesses might allocate resources for research and development (R&D) projects. Decision making in dynamic tasks can be improved through training with system dynamics–based interactive learning environments (ILE's) that include systematic debriefing. Some key features of the book include its didactic approach, numerous tables, figures, and the multidimensional evaluative model. Researchers can use the developed "evaluation model" to gauge various decision-aiding technologies. How to Improve Human Performance in Dynamic Tasks appeals to those interested in the design and evaluation of simulation-based decision support systems, as well as policy makers, students, researchers, and industrialists concerned by the issue of improving human performance in organizational tasks. .